


GRI Standards Reference Table

The *Sustainability Data Book 2021* has been prepared in accordance with “Core option” of the Sustainability Reporting Standard of the Global Reporting Initiative (GRI).




Universal Standards

NO.	Disclosure	Reporting requirements	Corresponding part		
			The Sustainability Data Book 2021		Website and related reports
GRI102: General Disclosures 2016					
Organizational profile					
102-1	Name of the organization	a. Name of the organization.			Corporate Profile
102-2	Activities, brands, products, and services	a. A description of the organization's activities. b. Primary brands, products, and services, including an explanation of any products or services that are banned in certain markets.			Business & Products Each Sector Situation (Annual Report PP.38-59)
102-3	Location of headquarters	a. Location of the organization's headquarters.	Introduction to Sumitomo Chemical	P.4	Corporate Profile
102-4	Location of operations	a. Number of countries where the organization operates, and the names of countries where it has significant operations and/or that are relevant to the topics covered in the report.			Business Locations & Group Companies
102-5	Ownership and legal form	a. Nature of ownership and legal form.			Corporate Profile
102-6	Markets served	a. Markets served, including: i. geographic locations where products and services are offered; ii. sectors served; iii. types of customers and beneficiaries.			Corporate Data (Annual Report PP.96-111) Business Locations & Group Companies
102-7	Scale of the organization	a. Scale of the organization, including: i. total number of employees; ii. total number of operations; iii. net sales (for private sector organizations) or net revenues (for public sector organizations); iv. total capitalization (for private sector organizations) broken down in terms of debt and equity; v. quantity of products or services provided.			Corporate Profile
102-8	Information on employees and other workers	a. Total number of employees by employment contract (permanent and temporary), by gender. b. Total number of employees by employment contract (permanent and temporary), by region. c. Total number of employees by employment type (full-time and part-time), by gender. d. Whether a significant portion of the organization's activities are performed by workers who are not employees. If applicable, a description of the nature and scale of work performed by workers who are not employees. e. Any significant variations in the numbers reported in Disclosures 102-8-a, 102-8-b, and 102-8-c (such as seasonal variations in the tourism or agricultural industries). f. An explanation of how the data have been compiled, including any assumptions made.	Human Resources Diversity and Inclusion	PP.214-217 PP.174-178	
102-9	Supply chain	a. A description of the organization's supply chain, including its main elements as they relate to the organization's activities, primary brands, products, and services.			Each Sector Situation (Annual Report PP.38-59) Production Flow Charts (Investors' Handbook PP.78-85)
102-10	Significant changes to the organization and its supply chain	a. Significant changes to the organization's size, structure, ownership, or supply chain, including: i. Changes in the location of, or changes in, operations, including facility openings, closings, and expansions; ii. Changes in the share capital structure and other capital formation, maintenance, and alteration operations (for private sector organizations); iii. Changes in the location of suppliers, the structure of the supply chain, or relationships with suppliers, including selection and termination.	Not applicable		
102-11	Precautionary Principle or approach	a. Whether and how the organization applies the Precautionary Principle or approach.	For a Sustainable Future Risk Management	PP.6-51 PP.74-76	Value Creation Platform (Annual Report PP.60-95)

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			The Sustainability Data Book 2021	Website and related reports
102-12	External initiatives	a. A list of externally-developed economic, environmental and social charters, principles, or other initiatives to which the organization subscribes, or which it endorses.	Participation in Initiatives Eco-First Commitments Engaging in Human Rights Initiatives	PP.43-46 PP.93-94 P.159
102-13	Membership of associations	a. A list of the main memberships of industry or other associations, and national or international advocacy organizations.	Participation in Initiatives	PP.43-46
Strategy				
102-14	Statement from senior decision-maker	a. A statement from the most senior decision-maker of the organization (such as CEO, chair, or equivalent senior position) about the relevance of sustainability to the organization and its strategy for addressing sustainability.	President's Message	PP.7-12
102-15	Key impacts, risks, and opportunities	a. A description of key impacts, risks, and opportunities.	President's Message Material Issues to Be Addressed as Management Priorities Key Performance Indicator (KPI) Risk Management Scenario Analysis, Summary Addressing Climate Change	PP.7-12 PP.17-22 PP.23-32 PP.74-76 PP.109-110 PP.105-116
Ethics and integrity				
102-16	Values, principles, standards, and norms of behavior	a. A description of the organization's values, principles, standards, and norms of behavior.	Corporate Philosophy What Sumitomo Chemical Group Strives to Be	PP.13-15 P.16
102-17	Mechanisms for advice and concerns about ethics	a. A description of internal and external mechanisms for: i. seeking advice about ethical and lawful behavior, and organizational integrity; ii. reporting concerns about unethical or unlawful behavior, and organizational integrity.	Compliance	PP.77-84
Governance				
102-18	Governance structure	a. Governance structure of the organization, including committees of the highest governance body. b. Committees responsible for decision-making on economic, environmental, and social topics.	Current Corporate Governance Organization Sustainability Promotion System	PP.54-56 P.34
102-19	Delegating authority	a. Process for delegating authority for economic, environmental, and social topics from the highest governance body to senior executives and other employees.	Sustainability Promotion System	P.34
102-20	Executive-level responsibility for economic, environmental, and social topics	a. Whether the organization has appointed an executive-level position or positions with responsibility for economic, environmental, and social topics. b. Whether post holders report directly to the highest governance body.	Sustainability Promotion System	P.34
102-21	Consulting stakeholders on economic, environmental, and social topics	a. Processes for consultation between stakeholders and the highest governance body on economic, environmental, and social topics. b. If consultation is delegated, describe to whom it is delegated and how the resulting feedback is provided to the highest governance body.	Sustainability Promotion System	P.34
102-22	Composition of the highest governance body and its committees	a. Composition of the highest governance body and its committees by: i. executive or non-executive; ii. independence; iii. tenure on the governance body; iv. number of each individual's other significant positions and commitments, and the nature of the commitments; v. gender; vi. membership of under-represented social groups; vii. competencies relating to economic, environmental, and social topics; viii. stakeholder representation.	Current Corporate Governance Organization	PP.54-56  Corporate Governance Report

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NO.	Disclosure	Reporting requirements	Corresponding part		
			The Sustainability Data Book 2021		Website and related reports
102-23	Chair of the highest governance body	a. Whether the chair of the highest governance body is also an executive officer in the organization. b. If the chair is also an executive officer, describe his or her function within the organization's management and the reasons for this arrangement.	Corporate Governance Organization Current Corporate Governance Organization	P.54 PP.54-56	 Corporate Governance Report
102-24	Nominating and selecting the highest governance body	a. Nomination and selection processes for the highest governance body and its committees. b. Criteria used for nominating and selecting highest governance body members, including whether and how: i. stakeholders (including shareholders) are involved; ii. diversity is considered; iii. independence is considered; iv. expertise and experience relating to economic, environmental, and social topics are considered.	Corporate Governance Organization Current Corporate Governance Organization Directors & Senior Management Expertise and Experience of Directors and Corporate Auditors	P.54 PP.54-56 PP.67-70 P.71	 Corporate Governance Report
102-25	Conflicts of interest	a. Processes for the highest governance body to ensure conflicts of interest are avoided and managed. b. Whether conflicts of interest are disclosed to stakeholders, including, as a minimum: i. Cross-board membership; ii. Cross-shareholding with suppliers and other stakeholders; iii. Existence of controlling shareholder; iv. Related party disclosures.	Current Corporate Governance Organization Efforts to Substantively Strengthen Corporate Governance Listed Company with Listed Subsidiaries Cross-Shareholdings	PP.54-56 PP.60-63 PP.64-65 P.66	 Corporate Governance Report  Consolidated Financial Statements
102-26	Role of highest governance body in setting purpose, values, and strategy	a. Highest governance body's and senior executives' roles in the development, approval, and updating of the organization's purpose, value or mission statements, strategies, policies, and goals related to economic, environmental, and social topics.	Sustainability Promotion System Corporate Governance	P.34 PP.53-71	
102-27	Collective knowledge of highest governance body	a. Measures taken to develop and enhance the highest governance body's collective knowledge of economic, environmental, and social topics.	Efforts to Substantively Strengthen Corporate Governance Sustainability Promotion System	PP.60-63 P.34	
102-28	Evaluating the highest governance body's performance	a. Processes for evaluating the highest governance body's performance with respect to governance of economic, environmental, and social topics. b. Whether such evaluation is independent or not, and its frequency. c. Whether such evaluation is a self-assessment. d. Actions taken in response to evaluation of the highest governance body's performance with respect to governance of economic, environmental, and social topics, including, as a minimum, changes in membership and organizational practice.	Efforts to Substantively Strengthen Corporate Governance	PP.60-63	
102-29	Identifying and managing economic, environmental, and social impacts	a. Highest governance body's role in identifying and managing economic, environmental, and social topics and their impacts, risks, and opportunities – including its role in the implementation of due diligence processes. b. Whether stakeholder consultation is used to support the highest governance body's identification and management of economic, environmental, and social topics and their impacts, risks, and opportunities.	Efforts to Substantively Strengthen Corporate Governance Sustainability Promotion System Risk Management Addressing Climate Change (Basic Stance, Management System)	PP.60-63 P.34 PP.74-76 PP.105-106	
102-30	Effectiveness of risk management processes	a. Highest governance body's role in reviewing the effectiveness of the organization's risk management processes for economic, environmental, and social topics.	Sustainability Promotion System Risk Management	P.34 PP.74-76	
102-31	Review of economic, environmental, and social topics	a. Frequency of the highest governance body's review of economic, environmental, and social topics and their impacts, risks, and opportunities.	Sustainability Promotion System Risk Management Addressing Climate Change (Management System)	P.34 PP.74-76 P.106	
102-32	Highest governance body's role in sustainability reporting	a. The highest committee or position that formally reviews and approves the organization's sustainability report and ensures that all material topics are covered.	Sustainability Promotion System	P.34	
102-33	Communicating critical concerns	a. Process for communicating critical concerns to the highest governance body.	Sustainability Promotion System Internal Control Risk Management Compliance System at the Sumitomo Chemical Group	P.34 PP.72-73 PP.74-76 PP.78-79	

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NO.	Disclosure	Reporting requirements	Corresponding part		
			The Sustainability Data Book 2021	Website and related reports	
102-34	Nature and total number of critical concerns	a. Total number and nature of critical concerns that were communicated to the highest governance body. b. Mechanism(s) used to address and resolve critical concerns.	Sustainability Promotion System Internal Control Risk Management Compliance	P.34 PP.72-73 PP.74-76 PP.77-84	
102-35	Remuneration policies	a. Remuneration policies for the highest governance body and senior executives for the following types of remuneration: i. Fixed pay and variable pay, including performance-based pay, equity-based pay, bonuses, and deferred or vested shares; ii. Sign-on bonuses or recruitment incentive payments; iii. Termination payments; iv. Clawbacks; v. Retirement benefits, including the difference between benefit schemes and contribution rates for the highest governance body, senior executives, and all other employees. b. How performance criteria in the remuneration policies relate to the highest governance body's and senior executives' objectives for economic, environmental, and social topics.	Executive Nomination and Remuneration	PP.57-59	
102-36	Process for determining remuneration	a. Process for determining remuneration. b. Whether remuneration consultants are involved in determining remuneration and whether they are independent of management. c. Any other relationships that the remuneration consultants have with the organization.	Executive Nomination and Remuneration	PP.57-59	
102-37	Stakeholders' involvement in remuneration	a. How stakeholders' views are sought and taken into account regarding remuneration. b. If applicable, the results of votes on remuneration policies and proposals.	Executive Nomination and Remuneration	PP.57-59	
102-38	Annual total compensation ratio	a. Ratio of the annual total compensation for the organization's highest-paid individual in each country of significant operations to the median annual total compensation for all employees (excluding the highest-paid individual) in the same country.	—	—	
102-39	Percentage increase in annual total compensation ratio	a. Ratio of the percentage increase in annual total compensation for the organization's highest-paid individual in each country of significant operations to the median percentage increase in annual total compensation for all employees (excluding the highest-paid individual) in the same country.	—	—	
Stakeholder engagement					
102-40	List of stakeholder groups	a. A list of stakeholder groups engaged by the organization.	Communication with Stakeholders Digest of Expert Opinion and Advice	PP.47-48 PP.31-32	TOPIC: Engagement with Investors on the Topic of Listed Companies with Listed Subsidiaries (Annual Report P89) Dialogue with Shareholders and Investors (Annual Report P95)
102-41	Collective bargaining agreements	a. Percentage of total employees covered by collective bargaining agreements.	Communication with Employees	P.169	
102-42	Identifying and selecting stakeholders	a. The basis for identifying and selecting stakeholders with whom to engage.	Communication with Stakeholders	PP.47-48	Dialogue with Shareholders and Investors (Annual Report P95)
102-43	Approach to stakeholder engagement	a. The organization's approach to stakeholder engagement, including frequency of engagement by type and by stakeholder group, and an indication of whether any of the engagement was undertaken specifically as part of the report preparation process.	Communication with Stakeholders	PP.47-48	TOPIC: Engagement with Investors on the Topic of Listed Companies with Listed Subsidiaries (Annual Report P89) Dialogue with Shareholders and Investors (Annual Report P95)
102-44	Key topics and concerns raised	a. Key topics and concerns that have been raised through stakeholder engagement, including: i. how the organization has responded to those key topics and concerns, including through its reporting; ii. the stakeholder groups that raised each of the key topics and concerns.	Sustainability Promotion System Digest of Expert Opinion and Advice	P.34 PP.31-32	TOPIC: Engagement with Investors on the Topic of Listed Companies with Listed Subsidiaries (Annual Report P89) Dialogue with Shareholders and Investors (Annual Report P95)

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NO.	Disclosure	Reporting requirements	Corresponding part		
			The Sustainability Data Book 2021		Website and related reports
Reporting practice					
102-45	Entities included in the consolidated financial statements	a. A list of all entities included in the organization's consolidated financial statements or equivalent documents. b. Whether any entity included in the organization's consolidated financial statements or equivalent documents is not covered by the report.			 Consolidated Financial Statements
102-46	Defining report content and topic Boundaries	a. An explanation of the process for defining the report content and the topic Boundaries. b. An explanation of how the organization has implemented the Reporting Principles for defining report content.	Editorial Policy Report Profile	P.2 P.3	
102-47	List of material topics	a. A list of the material topics identified in the process for defining report content.	Material Issues to Be Addressed as Management Priorities Key Performance Indicator (KPI)	PP.17-22 P.23	
102-48	Restatements of information	a. The effect of any restatements of information given in previous reports, and the reasons for such restatements.	Water Usage (Sumitomo Chemical Group) FY2018-2020 Environmental Performance (Sumitomo Chemical and Group Companies in Japan)	P.120 P.128	
102-49	Changes in reporting	a. Significant changes from previous reporting periods in the list of material topics and topic Boundaries.	Not applicable	—	
102-50	Reporting period	a. Reporting period for the information provided.	Report Profile	P.3	
102-51	Date of most recent report	a. If applicable, the date of the most recent previous report.	Report Profile	P.3	
102-52	Reporting cycle	a. Reporting cycle.	Report Profile	P.3	
102-53	Contact point for questions regarding the report	a. The contact point for questions regarding the report or its contents.			Contact
102-54	Claims of reporting in accordance with the GRI Standards	a. The claim made by the organization, if it has prepared a report in accordance with the GRI Standards, either: i. 'This report has been prepared in accordance with the GRI Standards: Core option'; ii. 'This report has been prepared in accordance with the GRI Standards: Comprehensive option'.	Report Profile GRI Standards Reference Table	P.3 "Core option"	
102-55	GRI content index	a. The GRI content index, which specifies each of the GRI Standards used and lists all disclosures included in the report. b. For each disclosure, the content index shall include: i. the number of the disclosure (for disclosures covered by the GRI Standards); ii. the page number (s) or URL (s) where the information can be found, either within the report or in other published materials; iii. if applicable, and where permitted, the reason(s) for omission when a required disclosure cannot be made.	GRI Standards Reference Table	PP.229-249	
102-56	External assurance	a. A description of the organization's policy and current practice with regard to seeking external assurance for the report. b. If the report has been externally assured: i. A reference to the external assurance report, statements, or opinions. If not included in the assurance report accompanying the sustainability report, a description of what has and what has not been assured and on what basis, including the assurance standards used, the level of assurance obtained, and any limitations of the assurance process; ii. The relationship between the organization and the assurance provider; iii. Whether and how the highest governance body or senior executives are involved in seeking external assurance for the organization's sustainability report.	Editorial Policy Independent Assurance Report	P.2 P.228	



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NO.	Disclosure	Reporting requirements	Corresponding part		
			The Sustainability Data Book 2021	Website and related reports	
GRI103: Management Approach 2016					
103-1	Explanation of the material topic and its Boundary	<p>a. An explanation of why the topic is material.</p> <p>b. The Boundary for the material topic, which includes a description of:</p> <p>i. where the impacts occur;</p> <p>ii. the organization's involvement with the impacts. For example, whether the organization has caused or contributed to the impacts, or is directly linked to the impacts through its business relationships.</p> <p>c. Any specific limitation regarding the topic Boundary.</p>	<p>Material Issues to Be Addressed as Management Priorities</p> <p>Key Performance Indicator (KPI)</p>	<p>PP.17-22</p> <p>PP.23-32</p>	
103-2	The management approach and its components	<p>a. An explanation of how the organization manages the topic.</p> <p>b. A statement of the purpose of the management approach.</p> <p>c. A description of the following, if the management approach includes that component:</p> <p>i. Policies</p> <p>ii. Commitments</p> <p>iii. Goals and targets</p> <p>iv. Responsibilities</p> <p>v. Resources</p> <p>vi. Grievance mechanisms</p> <p>vii. Specific actions, such as processes, projects, programs and initiatives</p>	<p>Material Issues to Be Addressed as Management Priorities</p> <p>Key Performance Indicator (KPI)</p> <p>Sustainability Promotion System</p>	<p>PP.17-22</p> <p>PP.23-32</p> <p>P.34</p>	
103-3	Evaluation of the management approach	<p>a. An explanation of how the organization evaluates the management approach, including:</p> <p>i. the mechanisms for evaluating the effectiveness of the management approach;</p> <p>ii. the results of the evaluation of the management approach;</p> <p>iii. any related adjustments to the management approach.</p>	<p>Sustainability Promotion System</p> <p>Digest of Expert Opinion and Advice</p>	<p>P.34</p> <p>PP.31-32</p>	

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Topic-specific Standards

○: Items related material aspects for Sumitomo Chemical Group in GRI Standards ID 200 – 400 range

NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021	
ECONOMIC					
GRI201: Economic Performance 2016					
201-1		Direct economic value generated and distributed	<p>a. Direct economic value generated and distributed (EVG&D) on an accruals basis, including the basic components for the organization's global operations as listed below. If data are presented on a cash basis, report the justification for this decision in addition to reporting the following basic components:</p> <ul style="list-style-type: none">i. Direct economic value generated: revenues;ii. Economic value distributed: operating costs, employee wages and benefits, payments to providers of capital, payments to government by country, and community investments;iii. Economic value retained: 'direct economic value generated' less 'economic value distributed'. <p>b. Where significant, report EVG&D separately at country, regional, or market levels, and the criteria used for defining significance.</p>	 Consolidated Financial Statements	
201-2	○	Financial implications and other risks and opportunities due to climate change	<p>a. Risks and opportunities posed by climate change that have the potential to generate substantive changes in operations, revenue, or expenditure, including:</p> <ul style="list-style-type: none">i. a description of the risk or opportunity and its classification as either physical, regulatory, or other;ii. a description of the impact associated with the risk or opportunity;iii. the financial implications of the risk or opportunity before action is taken;iv. the methods used to manage the risk or opportunity;v. the costs of actions taken to manage the risk or opportunity.	Scenario Analysis, Summary Addressing Climate Change	PP.109-110 PP.105-116
201-3		Defined benefit plan obligations and other retirement plans	<p>a. If the plan's liabilities are met by the organization's general resources, the estimated value of those liabilities.</p> <p>b. If a separate fund exists to pay the plan's pension liabilities:</p> <ul style="list-style-type: none">i. the extent to which the scheme's liabilities are estimated to be covered by the assets that have been set aside to meet them;ii. the basis on which that estimate has been arrived at;iii. when that estimate was made. <p>c. If a fund set up to pay the plan's pension liabilities is not fully covered, explain the strategy, if any, adopted by the employer to work towards full coverage, and the timescale, if any, by which the employer hopes to achieve full coverage.</p> <p>d. Percentage of salary contributed by employee or employer.</p> <p>e. Level of participation in retirement plans, such as participation in mandatory or voluntary schemes, regional, or country-based schemes, or those with financial impact.</p>	 Consolidated Financial Statements	
201-4		Financial assistance received from government	<p>a. Total monetary value of financial assistance received by the organization from any government during the reporting period, including:</p> <ul style="list-style-type: none">i. tax relief and tax credits;ii. subsidies;iii. investment grants, research and development grants, and other relevant types of grant;iv. awards;v. royalty holidays;vi. financial assistance from Export Credit Agencies (ECAs);vii. financial incentives;viii. other financial benefits received or receivable from any government for any operation. <p>b. The information in 201-4-a by country.</p> <p>c. Whether, and the extent to which, any government is present in the shareholding structure.</p>	—	—
GRI202: Market Presence 2016					
202-1		Ratios of standard entry level wage by gender compared to local minimum wage	<p>a. When a significant proportion of employees are compensated based on wages subject to minimum wage rules, report the relevant ratio of the entry level wage by gender at significant locations of operation to the minimum wage.</p> <p>b. When a significant proportion of other workers (excluding employees) performing the organization's activities are compensated based on wages subject to minimum wage rules, describe the actions taken to determine whether these workers are paid above the minimum wage.</p> <p>c. Whether a local minimum wage is absent or variable at significant locations of operation, by gender. In circumstances in which different minimums can be used as a reference, report which minimum wage is being used.</p> <p>d. The definition used for 'significant locations of operation'.</p>	—	—

GRI Standards Reference Table

NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021	
202-2		Proportion of senior management hired from the local community	a. Percentage of senior management at significant locations of operation that are hired from the local community. b. The definition used for 'senior management'. c. The organization's geographical definition of 'local'. d. The definition used for 'significant locations of operation'.	—	—
GRI203: Indirect Economic Impacts 2016					
203-1		Infrastructure investments and services supported	a. Extent of development of significant infrastructure investments and services supported. b. Current or expected impacts on communities and local economies, including positive and negative impacts where relevant. c. Whether these investments and services are commercial, in-kind, or pro bono engagements.	Results of Social Contribution Activities Communities	PP.206-207 PP.205-213
203-2		Significant indirect economic impacts	a. Examples of significant identified indirect economic impacts of the organization, including positive and negative impacts. b. Significance of the indirect economic impacts in the context of external benchmarks and stakeholder priorities, such as national and international standards, protocols, and policy agendas.	—	—
GRI204: Procurement Practices 2016					
204-1		Proportion of spending on local suppliers	a. Percentage of the procurement budget used for significant locations of operation that is spent on suppliers local to that operation (such as percentage of products and services purchased locally). b. The organization's geographical definition of 'local'. c. The definition used for 'significant locations of operation'.	—	—
GRI205: Anti-corruption 2016					
205-1	○	Operations assessed for risks related to corruption	a. Total number and percentage of operations assessed for risks related to corruption. b. Significant risks related to corruption identified through the risk assessment.	Anti-corruption	PP.85-87
205-2	○	Communication and training about anti-corruption policies and procedures	a. Total number and percentage of governance body members that the organization's anti-corruption policies and procedures have been communicated to, broken down by region. b. Total number and percentage of employees that the organization's anti-corruption policies and procedures have been communicated to, broken down by employee category and region. c. Total number and percentage of business partners that the organization's anti-corruption policies and procedures have been communicated to, broken down by type of business partner and region. Describe if the organization's anti-corruption policies and procedures have been communicated to any other persons or organizations. d. Total number and percentage of governance body members that have received training on anti-corruption, broken down by region. e. Total number and percentage of employees that have received training on anti-corruption, broken down by employee category and region.	Compliance Training Status	P.83
205-3	○	Confirmed incidents of corruption and actions taken	a. Total number and nature of confirmed incidents of corruption. b. Total number of confirmed incidents in which employees were dismissed or disciplined for corruption. c. Total number of confirmed incidents when contracts with business partners were terminated or not renewed due to violations related to corruption. d. Public legal cases regarding corruption brought against the organization or its employees during the reporting period and the outcomes of such cases.	Response to Compliance Violations	P.81
GRI206: Anti-competitive Behavior 2016					
206-1	○	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	a. Number of legal actions pending or completed during the reporting period regarding anti-competitive behavior and violations of anti-trust and monopoly legislation in which the organization has been identified as a participant. b. Main outcomes of completed legal actions, including any decisions or judgments.	Response to Compliance Violations	P.81
GRI207: Tax 2019					
207-1		Approach to tax	a. A description of the approach to tax, including: <ol style="list-style-type: none"> whether the organization has a tax strategy and, if so, a link to this strategy if publicly available; the governance body or executive-level position within the organization that formally reviews and approves the tax strategy, and the frequency of this review; the approach to regulatory compliance; how the approach to tax is linked to the business and sustainable development strategies of the organization. 	Tax Transparency	PP.88-89

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NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021
207-2		Tax governance, control, and risk management	<p>a. A description of the tax governance and control framework, including:</p> <ul style="list-style-type: none"> i. the governance body or executive-level position within the organization accountable for compliance with the tax strategy; ii. how the approach to tax is embedded within the organization; iii. the approach to tax risks, including how risks are identified, managed, and monitored; iv. how compliance with the tax governance and control framework is evaluated. <p>b. A description of the mechanisms for reporting concerns about unethical or unlawful behavior and the organization's integrity in relation to tax.</p> <p>c. A description of the assurance process for disclosures on tax and, if applicable, a reference to the assurance report, statement, or opinion.</p>	Tax Transparency PP.88-89
207-3		Stakeholder engagement and management of concerns related to tax	<p>a. A description of the approach to stakeholder engagement and management of stakeholder concerns related to tax, including:</p> <ul style="list-style-type: none"> i. the approach to engagement with tax authorities; ii. the approach to public policy advocacy on tax; iii. the processes for collecting and considering the views and concerns of stakeholders, including external stakeholders. 	Sumitomo Chemical Group Tax Policy P.88
207-4		Country-by-country reporting	<p>a. All tax jurisdictions where the entities included in the organization's audited consolidated financial statements, or in the financial information filed on public record, are resident for tax purposes.</p> <p>b. For each tax jurisdiction reported in Disclosure 207-4-a:</p> <ul style="list-style-type: none"> i. Names of the resident entities; ii. Primary activities of the organization; iii. Number of employees, and the basis of calculation of this number; iv. Revenues from third-party sales; v. Revenues from intra-group transactions with other tax jurisdictions; vi. Profit/loss before tax; vii. Tangible assets other than cash and cash equivalents; viii. Corporate income tax paid on a cash basis; ix. Corporate income tax accrued on profit/loss; x. Reasons for the difference between corporate income tax accrued on profit/loss and the tax due if the statutory tax rate is applied to profit/loss before tax. <p>c. The time period covered by the information reported in Disclosure 207-4.</p>	Corporate Income Taxes Paid (Sumitomo Chemical Group) Consolidated Financial Statements P.89

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NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021
ENVIRONMENT				
GRI301: Materials 2016				
301-1		Materials used by weight or volume	a. Total weight or volume of materials that are used to produce and package the organization's primary products and services during the reporting period, by: <ul style="list-style-type: none"> i. non-renewable materials used; ii. renewable materials used. 	Environmental Activity Goals and Results P.104 Resource Saving and Waste Reduction P.122 Environmental Performance P.118 PP.128-129 Waste Disposal Flow Chart and Results P.142 Initiatives to Recycle and Reuse Plastic and Other Waste P.143
301-2		Recycled input materials used	a. Percentage of recycled input materials used to manufacture the organization's primary products and services.	Waste Disposal Flow Chart and Results P.142 Initiatives to Recycle and Reuse Plastic and Other Waste P.143
301-3		Reclaimed products and their packaging materials	a. Percentage of reclaimed products and their packaging materials for each product category. b. How the data for this disclosure have been collected.	—
GRI302: Energy 2016				
302-1	○	Energy consumption within the organization	a. Total fuel consumption within the organization from non-renewable sources, in joules or multiples, and including fuel types used. b. Total fuel consumption within the organization from renewable sources, in joules or multiples, and including fuel types used. c. In joules, watt-hours or multiples, the total: <ul style="list-style-type: none"> i. electricity consumption ii. heating consumption iii. cooling consumption iv. steam consumption d. In joules, watt-hours or multiples, the total: <ul style="list-style-type: none"> i. electricity sold ii. heating sold iii. cooling sold iv. steam sold e. Total energy consumption within the organization, in joules or multiples. f. Standards, methodologies, assumptions, and/or calculation tools used. g. Source of the conversion factors used.	Addressing Climate Change (Goals and Results) P.107 Calculation Standards for Environmental and Social Data Indicators P.225
302-2	○	Energy consumption outside of the organization	a. Energy consumption outside of the organization, in joules or multiples. b. Standards, methodologies, assumptions, and/or calculation tools used. c. Source of the conversion factors used.	Addressing Climate Change (Goals and Results) P.108 Calculation Standards for Environmental and Social Data Indicators PP.225-227
302-3	○	Energy intensity	a. Energy intensity ratio for the organization. b. Organization-specific metric (the denominator) chosen to calculate the ratio. c. Types of energy included in the intensity ratio; whether fuel, electricity, heating, cooling, steam, or all. d. Whether the ratio uses energy consumption within the organization, outside of it, or both.	Environmental Activity Goals and Results P.103 Addressing Climate Change (Goals and Results) P.107 Energy Saving P.127
302-4	○	Reduction of energy consumption	a. Amount of reductions in energy consumption achieved as a direct result of conservation and efficiency initiatives, in joules or multiples. b. Types of energy included in the reductions; whether fuel, electricity, heating, cooling, steam, or all. c. Basis for calculating reductions in energy consumption, such as base year or baseline, including the rationale for choosing it. d. Standards, methodologies, assumptions, and/or calculation tools used.	Addressing Climate Change (Goals and Results) P.107 Environmental Performance P.118 Energy Saving P.127 Calculation Standards for Environmental and Social Data Indicators P.225
302-5	○	Reductions in energy requirements of products and services	a. Reductions in energy requirements of sold products and services achieved during the reporting period, in joules or multiples. b. Basis for calculating reductions in energy consumption, such as base year or baseline, including the rationale for choosing it. c. Standards, methodologies, assumptions, and/or calculation tools used.	Key Performance Indicator (KPI) PP.24-25 Sumika Sustainable Solutions PP.36-40 Calculation Standards for Environmental and Social Data Indicators P.225

GRI Standards Reference Table

NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021	
GRI303: Water and Effluents 2018					
303-1		Interactions with water as a shared resource	<p>a. A description of how the organization interacts with water, including how and where water is withdrawn, consumed, and discharged, and the water-related impacts caused or contributed to, or directly linked to the organization's activities, products or services by a business relationship (e.g., impacts caused by runoff).</p> <p>b. A description of the approach used to identify water-related impacts, including the scope of assessments, their timeframe, and any tools or methodologies used.</p> <p>c. A description of how water-related impacts are addressed, including how the organization works with stakeholders to steward water as a shared resource, and how it engages with suppliers or customers with significant water-related impacts.</p> <p>d. An explanation of the process for setting any water-related goals and targets that are part of the organization's management approach, and how they relate to public policy and the local context of each area with water stress.</p>	Environmental Activity Goals and Results Environmental Performance Protecting the Aquatic Environment Evaluating Water-Related Problems	P.104 P.118 P.128 P.120 P.121
303-2		Management of water discharge-related impacts	<p>a. A description of any minimum standards set for the quality of effluent discharge, and how these minimum standards were determined, including:</p> <ul style="list-style-type: none">i. how standards for facilities operating in locations with no local discharge requirements were determined;ii. any internally developed water quality standards or guidelines;iii. any sector-specific standards considered;iv. whether the profile of the receiving waterbody was considered.	Environmental Activity Goals and Results Environmental Protection (Management System) Responsible Care (Management System) Protecting the Aquatic Environment	P.104 P.117 PP.90-92 P.120
303-3		Water withdrawal	<p>a. Total water withdrawal from all areas in megaliters, and a breakdown of this total by the following sources, if applicable:</p> <ul style="list-style-type: none">i. Surface water;ii. Groundwater;iii. Seawater;iv. Produced water;v. Third-party water. <p>b. Total water withdrawal from all areas with water stress in megaliters, and a breakdown of this total by the following sources, if applicable:</p> <ul style="list-style-type: none">i. Surface water;ii. Groundwater;iii. Seawater;iv. Produced water;v. Third-party water, and a breakdown of this total by the withdrawal sources listed in i–iv. <p>c. A breakdown of total water withdrawal from each of the sources listed in Disclosures 303-3-a and 303-3-b in megaliters by the following categories:</p> <ul style="list-style-type: none">i. Freshwater (≤1,000 mg/L Total Dissolved Solids);ii. Other water (> 1,000 mg/L Total Dissolved Solids). <p>d. Any contextual information necessary to understand how the data have been compiled, such as any standards, methodologies, and assumptions used.</p>	Protecting the Aquatic Environment Environmental Performance Calculation Standards for Environmental and Social Data Indicators	P.120 P.118 P.128 P.225

GRI Standards Reference Table

NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021	
303-4		Water discharge	<p>a. Total water discharge to all areas in megaliters, and a breakdown of this total by the following types of destination, if applicable:</p> <ul style="list-style-type: none"> i. Surface water; ii. Groundwater; iii. Seawater; iv. Third-party water, and the volume of this total sent for use to other organizations, if applicable. <p>b. A breakdown of total water discharge to all areas in megaliters by the following categories:</p> <ul style="list-style-type: none"> i. Freshwater ($\leq 1,000$ mg/L Total Dissolved Solids); ii. Other water ($> 1,000$ mg/L Total Dissolved Solids). <p>c. Total water discharge to all areas with water stress in megaliters, and a breakdown of this total by the following categories:</p> <ul style="list-style-type: none"> i. Freshwater ($\leq 1,000$ mg/L Total Dissolved Solids); ii. Other water ($> 1,000$ mg/L Total Dissolved Solids). <p>d. Priority substances of concern for which discharges are treated, including:</p> <ul style="list-style-type: none"> i. how priority substances of concern were defined, and any international standard, authoritative list, or criteria used; ii. the approach for setting discharge limits for priority substances of concern; iii. number of incidents of non-compliance with discharge limits. <p>e. Any contextual information necessary to understand how the data have been compiled, such as any standards, methodologies, and assumptions used.</p>	Protecting the Aquatic Environment Environmental Performance Calculation Standards for Environmental and Social Data Indicators	P.120 P.129 P.225
303-5		Water consumption	<p>a. Total water consumption from all areas in megaliters.</p> <p>b. Total water consumption from all areas with water stress in megaliters.</p> <p>c. Change in water storage in megaliters, if water storage has been identified as having a significant water-related impact.</p> <p>d. Any contextual information necessary to understand how the data have been compiled, such as any standards, methodologies, and assumptions used, including whether the information is calculated, estimated, modeled, or sourced from direct measurements, and the approach taken for this, such as the use of any sector-specific factors.</p>	Protecting the Aquatic Environment Environmental Performance Calculation Standards for Environmental and Social Data Indicators	P.120 P.118 P.129 P.225
GRI304: Biodiversity 2016					
304-1		Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	<p>a. For each operational site owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas, the following information:</p> <ul style="list-style-type: none"> i. Geographic location; ii. Subsurface and underground land that may be owned, leased, or managed by the organization; iii. Position in relation to the protected area (in the area, adjacent to, or containing portions of the protected area) or the high biodiversity value area outside protected areas; iv. Type of operation (office, manufacturing or production, or extractive); v. Size of operational site in km² (or another unit, if appropriate); vi. Biodiversity value characterized by the attribute of the protected area or area of high biodiversity value outside the protected area (terrestrial, freshwater, or maritime ecosystem); vii. Biodiversity value characterized by listing of protected status (such as IUCN Protected Area Management Categories, Ramsar Convention, national legislation). 	Biodiversity Preservation Initiatives	PP.123-124
304-2		Significant impacts of activities, products, and services on biodiversity	<p>a. Nature of significant direct and indirect impacts on biodiversity with reference to one or more of the following:</p> <ul style="list-style-type: none"> i. Construction or use of manufacturing plants, mines, and transport infrastructure; ii. Pollution (introduction of substances that do not naturally occur in the habitat from point and non-point sources); iii. Introduction of invasive species, pests, and pathogens; iv. Reduction of species; v. Habitat conversion; vi. Changes in ecological processes outside the natural range of variation (such as salinity or changes in groundwater level). <p>b. Significant direct and indirect positive and negative impacts with reference to the following:</p> <ul style="list-style-type: none"> i. Species affected; ii. Extent of areas impacted; iii. Duration of impacts; iv. Reversibility or irreversibility of the impacts. 	—	—

GRI Standards Reference Table

NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021
304-3		Habitats protected or restored	a. Size and location of all habitat areas protected or restored, and whether the success of the restoration measure was or is approved by independent external professionals. b. Whether partnerships exist with third parties to protect or restore habitat areas distinct from where the organization has overseen and implemented restoration or protection measures. c. Status of each area based on its condition at the close of the reporting period. d. Standards, methodologies, and assumptions used.	Greening and Environmental Conservation in Thailand (Sumitomo Chemical Forest) P.124
304-4		IUCN Red List species and national conservation list species with habitats in areas affected by operations	a. Total number of IUCN Red List species and national conservation list species with habitats in areas affected by the operations of the organization, by level of extinction risk: <ul style="list-style-type: none"> i. Critically endangered ii. Endangered iii. Vulnerable iv. Near threatened v. Least concern 	Evaluating Water-Related Problems Biodiversity Preservation Initiatives P.121 P.124
GRI305: Emissions 2016				
305-1	○	Direct (Scope 1) GHG emissions	a. Gross direct (Scope 1) GHG emissions in metric tons of CO ₂ equivalent. b. Gases included in the calculation; whether CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , NF ₃ , or all. c. Biogenic CO ₂ emissions in metric tons of CO ₂ equivalent. d. Base year for the calculation, if applicable, including: <ul style="list-style-type: none"> i. the rationale for choosing it; ii. emissions in the base year; iii. the context for any significant changes in emissions that triggered recalculations of base year emissions. e. Source of the emission factors and the global warming potential (GWP) rates used, or a reference to the GWP source. f. Consolidation approach for emissions; whether equity share, financial control, or operational control. g. Standards, methodologies, assumptions, and/or calculation tools used.	Addressing Climate Change (Goals and Results) Environmental Performance Addressing Climate Change Calculation Standards for Environmental and Social Data Indicators P.107 P.118 P.130 PP.126-127 P.225
305-2	○	Energy indirect (Scope 2) GHG emissions	a. Gross location-based energy indirect (Scope 2) GHG emissions in metric tons of CO ₂ equivalent. b. If applicable, gross market-based energy indirect (Scope 2) GHG emissions in metric tons of CO ₂ equivalent. c. If available, the gases included in the calculation; whether CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , NF ₃ , or all. d. Base year for the calculation, if applicable, including: <ul style="list-style-type: none"> i. the rationale for choosing it; ii. emissions in the base year; iii. the context for any significant changes in emissions that triggered recalculations of base year emissions. e. Source of the emission factors and the global warming potential (GWP) rates used, or a reference to the GWP source. f. Consolidation approach for emissions; whether equity share, financial control, or operational control. g. Standards, methodologies, assumptions, and/or calculation tools used.	Addressing Climate Change (Goals and Results) Environmental Performance Addressing Climate Change Calculation Standards for Environmental and Social Data Indicators P.107 P.118 P.130 PP.126-127 P.225
305-3	○	Other indirect (Scope 3) GHG emissions	a. Gross other indirect (Scope 3) GHG emissions in metric tons of CO ₂ equivalent. b. If available, the gases included in the calculation; whether CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , NF ₃ , or all. c. Biogenic CO ₂ emissions in metric tons of CO ₂ equivalent. d. Other indirect (Scope 3) GHG emissions categories and activities included in the calculation. e. Base year for the calculation, if applicable, including: <ul style="list-style-type: none"> i. the rationale for choosing it; ii. emissions in the base year; iii. the context for any significant changes in emissions that triggered recalculations of base year emissions. f. Source of the emission factors and the global warming potential (GWP) rates used, or a reference to the GWP source. g. Standards, methodologies, assumptions, and/or calculation tools used.	Addressing Climate Change (Goals and Results) Logistics Initiatives Calculation Standards for Environmental and Social Data Indicators P.108 P.112 PP.226-227

GRI Standards Reference Table

NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021	
305-4	○	GHG emissions intensity	a. GHG emissions intensity ratio for the organization. b. Organization-specific metric (the denominator) chosen to calculate the ratio. c. Types of GHG emissions included in the intensity ratio; whether direct (Scope 1), energy indirect (Scope 2), and/or other indirect (Scope 3). d. Gases included in the calculation; whether CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , NF ₃ , or all.	Addressing Climate Change (Goals and Results) Environmental Performance Addressing Climate Change	PP.107-108 P.118 P.130 PP.126-127
305-5	○	Reduction of GHG emissions	a. GHG emissions reduced as a direct result of reduction initiatives, in metric tons of CO ₂ equivalent. b. Gases included in the calculation; whether CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , NF ₃ , or all. c. Base year or baseline, including the rationale for choosing it. d. Scopes in which reductions took place; whether direct (Scope 1), energy indirect (Scope 2), and/or other indirect (Scope 3). e. Standards, methodologies, assumptions, and/or calculation tools used.	Addressing Climate Change (Goals and Results) Environmental Performance Calculation Standards for Environmental and Social Data Indicators	PP.107-108 P.118 P.130 PP.226-227
305-6	○	Emissions of ozone-depleting substances (ODS)	a. Production, imports, and exports of ODS in metric tons of CFC-11 (trichlorofluoromethane) equivalent. b. Substances included in the calculation. c. Source of the emission factors used. d. Standards, methodologies, assumptions, and/or calculation tools used.	Environmental Performance Prevention of Ozone Layer Depletion Calculation Standards for Environmental and Social Data Indicators	P.118 P.128 P.136 P.226
305-7	○	Nitrogen oxides (NO _x), sulfur oxides (SO _x), and other significant air emissions	a. Significant air emissions, in kilograms or multiples, for each of the following: i. NO _x ii. SO _x iii. Persistent organic pollutants (POP) iv. Volatile organic compounds (VOC) v. Hazardous air pollutants (HAP) vi. Particulate matter (PM) vii. Other standard categories of air emissions identified in relevant regulations b. Source of the emission factors used. c. Standards, methodologies, assumptions, and/or calculation tools used.	Environmental Performance Preventing Pollution: Atmospheric Emissions of SO_x, NO_x, Soot, and Dust Addressing PRTR and VOCs Calculation Standards for Environmental and Social Data Indicators	P.118 P.130 P.133 PP.135-136 P.226
GRI306: Waste 2020					
306-1		Waste generation and significant waste-related impacts	a. For the organization's significant actual and potential waste-related impacts, a description of: i. the inputs, activities, and outputs that lead or could lead to these impacts; ii. whether these impacts relate to waste generated in the organization's own activities or to waste generated upstream or downstream in its value chain.	Resource Saving and Waste Reduction	P.122
306-2		Management of significant waste-related impacts	a. Actions, including circularity measures, taken to prevent waste generation in the organization's own activities and upstream and downstream in its value chain, and to manage significant impacts from waste generated. b. If the waste generated by the organization in its own activities is managed by a third party, a description of the processes used to determine whether the third party manages the waste in line with contractual or legislative obligations. c. The processes used to collect and monitor waste-related data.	Environmental Activity Goals and Results Environmental Protection (Basic Stance) Resource Saving and Waste Reduction Digitization of Manifests to Be Prepared Pursuant to the Waste Management and Public Cleansing Act	P.104 P.117 P.122 P.141
306-3		Waste generated	a. Total weight of waste generated in metric tons, and a breakdown of this total by composition of the waste. b. Contextual information necessary to understand the data and how the data has been compiled.	Environmental Performance Industrial Waste Reduction, Sharing Environmental Protection and Management Targets (Japan)	P.118 P.129 PP.140-144

GRI Standards Reference Table

NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021
306-4		Waste diverted from disposal	<p>a. Total weight of waste diverted from disposal in metric tons, and a breakdown of this total by composition of the waste.</p> <p>b. Total weight of hazardous waste diverted from disposal in metric tons, and a breakdown of this total by the following recovery operations:</p> <ol style="list-style-type: none"> Preparation for reuse; Recycling; Other recovery operations. <p>c. Total weight of non-hazardous waste diverted from disposal in metric tons, and a breakdown of this total by the following recovery operations:</p> <ol style="list-style-type: none"> Preparation for reuse; Recycling; Other recovery operations. <p>d. For each recovery operation listed in Disclosures 306-4-b and 306-4-c, a breakdown of the total weight in metric tons of hazardous waste and of non-hazardous waste diverted from disposal:</p> <ol style="list-style-type: none"> onsite; offsite. <p>e. Contextual information necessary to understand the data and how the data has been compiled.</p>	<p>Waste Disposal Flow Chart, List of Results by Item in connection with the Disposal of Waste, Categories of Hazardous and Non-Hazardous Waste, Results of Recycling and Reusing Waste (including heat recovery), Results of Recycling and Reusing Plastic Waste (including heat recovery)</p> <p>PP.142-143</p>
306-5		Waste directed to disposal	<p>a. Total weight of waste directed to disposal in metric tons, and a breakdown of this total by composition of the waste.</p> <p>b. Total weight of hazardous waste directed to disposal in metric tons, and a breakdown of this total by the following disposal operations:</p> <ol style="list-style-type: none"> Incineration (with energy recovery); Incineration (without energy recovery); Landfilling; Other disposal operations. <p>c. Total weight of non-hazardous waste directed to disposal in metric tons, and a breakdown of this total by the following disposal operations:</p> <ol style="list-style-type: none"> Incineration (with energy recovery); Incineration (without energy recovery); Landfilling; Other disposal operations. <p>d. For each disposal operation listed in Disclosures 306-5-b and 306-5-c, a breakdown of the total weight in metric tons of hazardous waste and of non-hazardous waste directed to disposal:</p> <ol style="list-style-type: none"> onsite; offsite. <p>e. Contextual information necessary to understand the data and how the data has been compiled.</p>	<p>Waste Disposal Flow Chart, List of Results by Item in connection with the Disposal of Waste, Categories of Hazardous and Non-Hazardous Waste, Results of Recycling and Reusing Waste (including heat recovery), Results of Recycling and Reusing Plastic Waste (including heat recovery)</p> <p>PP.142-143</p>
GRI307: Environmental Compliance 2016				
307-1	○	Non-compliance with environmental laws and regulations	<p>a. Significant fines and non-monetary sanctions for non-compliance with environmental laws and/or regulations in terms of:</p> <ol style="list-style-type: none"> total monetary value of significant fines; total number of non-monetary sanctions; cases brought through dispute resolution mechanisms. <p>b. If the organization has not identified any non-compliance with environmental laws and/or regulations, a brief statement of this fact is sufficient.</p>	<p>Environmental Activity Goals and Results</p> <p>Compliance with Environmental Laws and Regulations</p> <p>P.104 P.130</p>
GRI308: Supplier Environmental Assessment 2016				
308-1		New suppliers that were screened using environmental criteria	a. Percentage of new suppliers that were screened using environmental criteria.	<p>Initiative for Suppliers Promoting Sustainable Procurement throughout the Supply Chain</p> <p>P.162 P.164</p>
308-2		Negative environmental impacts in the supply chain and actions taken	<p>a. Number of suppliers assessed for environmental impacts.</p> <p>b. Number of suppliers identified as having significant actual and potential negative environmental impacts.</p> <p>c. Significant actual and potential negative environmental impacts identified in the supply chain.</p> <p>d. Percentage of suppliers identified as having significant actual and potential negative environmental impacts with which improvements were agreed upon as a result of assessment.</p> <p>e. Percentage of suppliers identified as having significant actual and potential negative environmental impacts with which relationships were terminated as a result of assessment, and why.</p>	<p>Supplier Engagement Initiative for Suppliers Promoting Sustainable Procurement throughout the Supply Chain</p> <p>P.112 P.162 P.164</p>

GRI Standards Reference Table

NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021
SOCIAL				
GRI401: Employment 2016				
401-1		New employee hires and employee turnover	a. Total number and rate of new employee hires during the reporting period, by age group, gender and region. b. Total number and rate of employee turnover during the reporting period, by age group, gender and region.	Number of New Graduate and Mid-career Hires, Percentage of Mid-career Hires, Number and Percentage of People Who Left the Company P.216
401-2		Benefits provided to full-time employees that are not provided to temporary or part-time employees	a. Benefits which are standard for full-time employees of the organization but are not provided to temporary or part-time employees, by significant locations of operation. These include, as a minimum: <ul style="list-style-type: none"> i. life insurance; ii. health care; iii. disability and invalidity coverage; iv. parental leave; v. retirement provision; vi. stock ownership; vii. others. b. The definition used for 'significant locations of operation'.	Work-Life Balance PP.179-183
401-3		Parental leave	a. Total number of employees that were entitled to parental leave, by gender. b. Total number of employees that took parental leave, by gender. c. Total number of employees that returned to work in the reporting period after parental leave ended, by gender. d. Total number of employees that returned to work after parental leave ended that were still employed 12 months after their return to work, by gender. e. Return to work and retention rates of employees that took parental leave, by gender.	Results of Systems for Work-Life Balance P.182 Return Rate of Employees Who Take Cessation from Work for Childcare P.217
GRI402: Labor/Management Relations 2016				
402-1		Minimum notice periods regarding operational changes	a. Minimum number of weeks' notice typically provided to employees and their representatives prior to the implementation of significant operational changes that could substantially affect them. b. For organizations with collective bargaining agreements, report whether the notice period and provisions for consultation and negotiation are specified in collective agreements.	Communication with Employees P.169
GRI403: Occupational Health and Safety 2018				
403-1	○	Occupational health and safety management system	a. A statement of whether an occupational health and safety management system has been implemented, including whether: <ul style="list-style-type: none"> i. the system has been implemented because of legal requirements and, if so, a list of the requirements; ii. the system has been implemented based on recognized risk management and/or management system standards/guidelines and, if so, a list of the standards/guidelines. b. A description of the scope of workers, activities, and workplaces covered by the occupational health and safety management system, and an explanation of whether and, if so, why any workers, activities, or workplaces are not covered.	Occupational Safety and Health / Industrial Safety and Disaster Prevention (Basic Stance) P.187 Occupational Safety and Health Management System P.218
403-2	○	Hazard identification, risk assessment, and incident investigation	a. A description of the processes used to identify work-related hazards and assess risks on a routine and non-routine basis, and to apply the hierarchy of controls in order to eliminate hazards and minimize risks, including: <ul style="list-style-type: none"> i. how the organization ensures the quality of these processes, including the competency of persons who carry them out; ii. how the results of these processes are used to evaluate and continually improve the occupational health and safety management system. b. A description of the processes for workers to report work-related hazards and hazardous situations, and an explanation of how workers are protected against reprisals. c. A description of the policies and processes for workers to remove themselves from work situations that they believe could cause injury or ill health, and an explanation of how workers are protected against reprisals. d. A description of the processes used to investigate work-related incidents, including the processes to identify hazards and assess risks relating to the incidents, to determine corrective actions using the hierarchy of controls, and to determine improvements needed in the occupational health and safety management system.	Occupational Safety and Health / Industrial Safety and Disaster Prevention (Management System, Examples of Initiatives) PP.187-193 Responsible Care (RC) Audits PP.95-97
403-3	○	Occupational health services	a. A description of the occupational health services' functions that contribute to the identification and elimination of hazards and minimization of risks, and an explanation of how the organization ensures the quality of these services and facilitates workers' access to them.	Occupational Safety and Health / Industrial Safety and Disaster Prevention (Examples of Initiatives) PP.189-193 Responsible Care (RC) Audits PP.95-97

GRI Standards Reference Table

NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021
403-4	○	Worker participation, consultation, and communication on occupational health and safety	<p>a. A description of the processes for worker participation and consultation in the development, implementation, and evaluation of the occupational health and safety management system, and for providing access to and communicating relevant information on occupational health and safety to workers.</p> <p>b. Where formal joint management-worker health and safety committees exist, a description of their responsibilities, meeting frequency, decision-making authority, and whether and, if so, why any workers are not represented by these committees.</p>	<p>Occupational Safety and Health / Industrial Safety and Disaster Prevention (Management System) P.187</p> <p>Communication with Employees P.169</p>
403-5	○	Worker training on occupational health and safety	a. A description of any occupational health and safety training provided to workers, including generic training as well as training on specific work-related hazards, hazardous activities, or hazardous situations.	<p>Occupational Safety and Health / Industrial Safety and Disaster Prevention Education and Drills PP.191-192</p>
403-6	○	Promotion of worker health	<p>a. An explanation of how the organization facilitates workers' access to non-occupational medical and healthcare services, and the scope of access provided.</p> <p>b. A description of any voluntary health promotion services and programs offered to workers to address major non-work-related health risks, including the specific health risks addressed, and how the organization facilitates workers' access to these services and programs.</p>	<p>Healthcare PP.184-186</p>
403-7	○	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	a. A description of the organization's approach to preventing or mitigating significant negative occupational health and safety impacts that are directly linked to its operations, products or services by its business relationships, and the related hazards and risks.	<p>Occupational Safety and Health / Industrial Safety and Disaster Prevention (Examples of Initiatives) PP.189-193</p> <p>Preventing Severe Accidents in Subcontracted Operations and Construction Operations P.189</p> <p>Logistics Initiatives P.193</p>
403-8	○	Workers covered by an occupational health and safety management system	<p>a. If the organization has implemented an occupational health and safety management system based on legal requirements and/or recognized standards/guidelines:</p> <ol style="list-style-type: none"> the number and percentage of all employees and workers who are not employees but whose work and/or workplace is controlled by the organization, who are covered by such a system; the number and percentage of all employees and workers who are not employees but whose work and/or workplace is controlled by the organization, who are covered by such a system that has been internally audited; the number and percentage of all employees and workers who are not employees but whose work and/or workplace is controlled by the organization, who are covered by such a system that has been audited or certified by an external party. <p>b. Whether and, if so, why any workers have been excluded from this disclosure, including the types of worker excluded.</p> <p>c. Any contextual information necessary to understand how the data have been compiled, such as any standards, methodologies, and assumptions used.</p>	<p>Occupational Safety and Health / Industrial Safety and Disaster Prevention (Basic Stance) P.187</p> <p>Occupational Safety and Health Management System P.218</p>
403-9	○	Work-related injuries	<p>a. For all employees:</p> <ol style="list-style-type: none"> The number and rate of fatalities as a result of work-related injury; The number and rate of high-consequence work-related injuries (excluding fatalities); The number and rate of recordable work-related injuries; The main types of work-related injury; The number of hours worked. <p>b. For all workers who are not employees but whose work and/or workplace is controlled by the organization:</p> <ol style="list-style-type: none"> The number and rate of fatalities as a result of work-related injury; The number and rate of high-consequence work-related injuries (excluding fatalities); The number and rate of recordable work-related injuries; The main types of work-related injury; The number of hours worked. <p>c. The work-related hazards that pose a risk of high-consequence injury, including:</p> <ol style="list-style-type: none"> how these hazards have been determined; which of these hazards have caused or contributed to high-consequence injuries during the reporting period; actions taken or underway to eliminate these hazards and minimize risks using the hierarchy of controls. <p>d. Any actions taken or underway to eliminate other work-related hazards and minimize risks using the hierarchy of controls.</p> <p>e. Whether the rates have been calculated based on 200,000 or 1,000,000 hours worked.</p> <p>f. Whether and, if so, why any workers have been excluded from this disclosure, including the types of worker excluded.</p> <p>g. Any contextual information necessary to understand how the data have been compiled, such as any standards, methodologies, and assumptions used.</p>	<p>Occupational Safety and Health / Industrial Safety and Disaster Prevention (Basic Stance, Goals and Results) PP.187-188</p> <p>Safety Achievements, Industrial Safety and Disaster Prevention Results PP.221-222</p> <p>Calculation Standards for Environmental and Social Data Indicators P.227</p>

GRI Standards Reference Table

NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021	
403-10	○	Work-related ill health	<p>a. For all employees:</p> <ul style="list-style-type: none">i. The number of fatalities as a result of work-related ill health;ii. The number of cases of recordable work-related ill health;iii. The main types of work-related ill health. <p>b. For all workers who are not employees but whose work and/or workplace is controlled by the organization:</p> <ul style="list-style-type: none">i. The number of fatalities as a result of work-related ill health;ii. The number of cases of recordable work-related ill health;iii. The main types of work-related ill health. <p>c. The work-related hazards that pose a risk of ill health, including:</p> <ul style="list-style-type: none">i. how these hazards have been determined;ii. which of these hazards have caused or contributed to cases of ill health during the reporting period;iii. actions taken or underway to eliminate these hazards and minimize risks using the hierarchy of controls. <p>d. Whether and, if so, why any workers have been excluded from this disclosure, including the types of worker excluded.</p> <p>e. Any contextual information necessary to understand how the data have been compiled, such as any standards, methodologies, and assumptions used.</p>	Occupational Safety and Health / Industrial Safety and Disaster Prevention (Basic Stance, Goals and Results) Safety Achievements	PP.187-188 P.221
GRI404: Training and Education 2016					
404-1		Average hours of training per year per employee	<p>a. Average hours of training that the organization's employees have undertaken during the reporting period, by:</p> <ul style="list-style-type: none">i. gender;ii. employee category.	Time Spent on Training Training for Development of Global Talent Management Skills Enhancement Training Human Resources Development	P.171 P.172 P.173 PP.170-173
404-2		Programs for upgrading employee skills and transition assistance programs	<p>a. Type and scope of programs implemented and assistance provided to upgrade employee skills.</p> <p>b. Transition assistance programs provided to facilitate continued employability and the management of career endings resulting from retirement or termination of employment.</p>	Organization of Training Programs	P.170
404-3		Percentage of employees receiving regular performance and career development reviews	<p>a. Percentage of total employees by gender and by employee category who received a regular performance and career development review during the reporting period.</p>	Human Resources System Initiatives, Characteristics of Our HR Systems, Initiative to Enhance Productivity	PP.167-169
GRI405: Diversity and Equal Opportunity 2016					
405-1	○	Diversity of governance bodies and employees	<p>a. Percentage of individuals within the organization's governance bodies in each of the following diversity categories:</p> <ul style="list-style-type: none">i. Gender;ii. Age group: under 30 years old, 30–50 years old, over 50 years old;iii. Other indicators of diversity where relevant (such as minority or vulnerable groups). <p>b. Percentage of employees per employee category in each of the following diversity categories:</p> <ul style="list-style-type: none">i. Gender;ii. Age group: under 30 years old, 30–50 years old, over 50 years old;iii. Other indicators of diversity where relevant (such as minority or vulnerable groups).	Directors & Senior Management Basic Data, Promotion of Diversity and Inclusion	PP.67-70 PP.214-217
405-2	○	Ratio of basic salary and remuneration of women to men	<p>a. Ratio of the basic salary and remuneration of women to men for each employee category, by significant locations of operation.</p> <p>b. The definition used for 'significant locations of operation'.</p>	Average monthly wages	P.214
GRI406: Non-discrimination 2016					
406-1	○	Incidents of discrimination and corrective actions taken	<p>a. Total number of incidents of discrimination during the reporting period.</p> <p>b. Status of the incidents and actions taken with reference to the following:</p> <ul style="list-style-type: none">i. Incident reviewed by the organization;ii. Remediation plans being implemented;iii. Remediation plans that have been implemented, with results reviewed through routine internal management review processes;iv. Incident no longer subject to action.	Consultation Office	P.155

GRI Standards Reference Table

NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021	
GRI407: Freedom of Association and Collective Bargaining 2016					
407-1	○	Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk	a. Operations and suppliers in which workers' rights to exercise freedom of association or collective bargaining may be violated or at significant risk either in terms of: i. type of operation (such as manufacturing plant) and supplier; ii. countries or geographic areas with operations and suppliers considered at risk. b. Measures taken by the organization in the reporting period intended to support rights to exercise freedom of association and collective bargaining.	Respect for Human Rights Procurement	PP.151-159 PP.160-165
GRI408: Child Labor 2016					
408-1	○	Operations and suppliers at significant risk for incidents of child labor	a. Operations and suppliers considered to have significant risk for incidents of: i. child labor; ii. young workers exposed to hazardous work. b. Operations and suppliers considered to have significant risk for incidents of child labor either in terms of: i. type of operation (such as manufacturing plant) and supplier; ii. countries or geographic areas with operations and suppliers considered at risk. c. Measures taken by the organization in the reporting period intended to contribute to the effective abolition of child labor.	Respect for Human Rights Procurement	PP.151-159 PP.160-165
GRI409: Forced or Compulsory Labor 2016					
409-1	○	Operations and suppliers at significant risk for incidents of forced or compulsory labor	a. Operations and suppliers considered to have significant risk for incidents of forced or compulsory labor either in terms of: i. type of operation (such as manufacturing plant) and supplier; ii. countries or geographic areas with operations and suppliers considered at risk. b. Measures taken by the organization in the reporting period intended to contribute to the elimination of all forms of forced or compulsory labor.	Respect for Human Rights Procurement	PP.151-159 PP.160-165
GRI410: Security Practices 2016					
410-1	○	Security personnel trained in human rights policies or procedures	a. Percentage of security personnel who have received formal training in the organization's human rights policies or specific procedures and their application to security. b. Whether training requirements also apply to third-party organizations providing security personnel.	—	—
GRI411: Rights of Indigenous Peoples 2016					
411-1		Incidents of violations involving rights of indigenous peoples	a. Total number of identified incidents of violations involving the rights of indigenous peoples during the reporting period. b. Status of the incidents and actions taken with reference to the following: i. Incident reviewed by the organization; ii. Remediation plans being implemented; iii. Remediation plans that have been implemented, with results reviewed through routine internal management review processes; iv. Incident no longer subject to action.	Not applicable	—
GRI412: Human Rights Assessment 2016					
412-1	○	Operations that have been subject to human rights reviews or impact assessments	a. Total number and percentage of operations that have been subject to human rights reviews or human rights impact assessments, by country.	Human Rights Due Diligence and Relief Efforts	PP.156-157
412-2	○	Employee training on human rights policies or procedures	a. Total number of hours in the reporting period devoted to training on human rights policies or procedures concerning aspects of human rights that are relevant to operations. b. Percentage of employees trained during the reporting period in human rights policies or procedures concerning aspects of human rights that are relevant to operations.	Raising Employees' Awareness of Human Rights	PP.154-155
412-3		Significant investment agreements and contracts that include human rights clauses or that underwent human rights screening	a. Total number and percentage of significant investment agreements and contracts that include human rights clauses or that underwent human rights screening. b. The definition used for 'significant investment agreements'.	Respect for Human Rights Introducing Human Rights Clauses into Contracts	PP.151-159 P.158

GRI Standards Reference Table

NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021
GRI413: Local Communities 2016				
413-1		Operations with local community engagement, impact assessments, and development programs	a. Percentage of operations with implemented local community engagement, impact assessments, and/or development programs, including the use of: <ul style="list-style-type: none"> i. social impact assessments, including gender impact assessments, based on participatory processes; ii. environmental impact assessments and ongoing monitoring; iii. public disclosure of results of environmental and social impact assessments; iv. local community development programs based on local communities' needs; v. stakeholder engagement plans based on stakeholder mapping; vi. broad based local community consultation committees and processes that include vulnerable groups; vii. works councils, occupational health and safety committees and other worker representation bodies to deal with impacts; viii. formal local community grievance processes. 	Securing Safety and Health, and Protecting the Environment PP.207-208
413-2		Operations with significant actual and potential negative impacts on local communities	a. Operations with significant actual and potential negative impacts on local communities, including: <ul style="list-style-type: none"> i. the location of the operations; ii. the significant actual and potential negative impacts of operations. 	Preparation for Large-Scale Natural Disasters Industrial Safety and Disaster Prevention (Examples of Initiatives) P.191 PP.190-193
GRI414: Supplier Social Assessment 2016				
414-1		New suppliers that were screened using social criteria	a. Percentage of new suppliers that were screened using social criteria.	Initiative for Suppliers P.162
414-2		Negative social impacts in the supply chain and actions taken	a. Number of suppliers assessed for social impacts. b. Number of suppliers identified as having significant actual and potential negative social impacts. c. Significant actual and potential negative social impacts identified in the supply chain. d. Percentage of suppliers identified as having significant actual and potential negative social impacts with which improvements were agreed upon as a result of assessment. e. Percentage of suppliers identified as having significant actual and potential negative social impacts with which relationships were terminated as a result of assessment, and why.	Human Rights Due Diligence and Relief Efforts Initiative for Suppliers PP.156-157 P.162
GRI415: Public Policy 2016				
415-1		Political contributions	a. Total monetary value of financial and in-kind political contributions made directly and indirectly by the organization by country and recipient/beneficiary. b. If applicable, how the monetary value of in-kind contributions was estimated.	— —
GRI416: Customer Health and Safety 2016				
416-1	○	Assessment of the health and safety impacts of product and service categories	a. Percentage of significant product and service categories for which health and safety impacts are assessed for improvement.	Risk Assessment and Management throughout the Entire Product Life Cycle Risk Management for Product Safety P.196 P.197
416-2	○	Incidents of non-compliance concerning the health and safety impacts of products and services	a. Total number of incidents of non-compliance with regulations and/or voluntary codes concerning the health and safety impacts of products and services within the reporting period, by: <ul style="list-style-type: none"> i. incidents of non-compliance with regulations resulting in a fine or penalty; ii. incidents of non-compliance with regulations resulting in a warning; iii. incidents of non-compliance with voluntary codes. b. If the organization has not identified any non-compliance with regulations and/or voluntary codes, a brief statement of this fact is sufficient.	Not applicable —
GRI417: Marketing and Labeling 2016				
417-1	○	Requirements for product and service information and labeling	a. Whether each of the following types of information is required by the organization's procedures for product and service information and labeling: <ul style="list-style-type: none"> i. The sourcing of components of the product or service; ii. Content, particularly with regard to substances that might produce an environmental or social impact; iii. Safe use of the product or service; iv. Disposal of the product and environmental or social impacts; v. Other (explain). b. Percentage of significant product or service categories covered by and assessed for compliance with such procedures.	Providing Products and Services of Stable Quality The Information Sharing System and Ensuring thorough Compliance Effective Use of SuCCESS Providing Toxicological Information Sharing Information on Chemicals in Products P.197 P.198 P.198 P.199 P.199

GRI Standards Reference Table

NO.	Related material aspects	Disclosure	Reporting requirements	The Sustainability Data Book 2021	
417-2		Incidents of non-compliance concerning product and service information and labeling	a. Total number of incidents of non-compliance with regulations and/or voluntary codes concerning product and service information and labeling, by: <ul style="list-style-type: none"> i. incidents of non-compliance with regulations resulting in a fine or penalty; ii. incidents of non-compliance with regulations resulting in a warning; iii. incidents of non-compliance with voluntary codes. b. If the organization has not identified any non-compliance with regulations and/or voluntary codes, a brief statement of this fact is sufficient.	Not applicable	—
417-3		Incidents of non-compliance concerning marketing communications	a. Total number of incidents of non-compliance with regulations and/or voluntary codes concerning marketing communications, including advertising, promotion, and sponsorship, by: <ul style="list-style-type: none"> i. incidents of non-compliance with regulations resulting in a fine or penalty; ii. incidents of non-compliance with regulations resulting in a warning; iii. incidents of non-compliance with voluntary codes. b. If the organization has not identified any non-compliance with regulations and/or voluntary codes, a brief statement of this fact is sufficient.	Not applicable	—
GRI418: Customer Privacy 2016					
418-1		Substantiated complaints concerning breaches of customer privacy and losses of customer data	a. Total number of substantiated complaints received concerning breaches of customer privacy, categorized by: <ul style="list-style-type: none"> i. complaints received from outside parties and substantiated by the organization; ii. complaints from regulatory bodies. b. Total number of identified leaks, thefts, or losses of customer data. c. If the organization has not identified any substantiated complaints, a brief statement of this fact is sufficient.	Not applicable	—
GRI419: Socioeconomic Compliance 2016					
419-1	○	Non-compliance with laws and regulations in the social and economic area	a. Significant fines and non-monetary sanctions for non-compliance with laws and/or regulations in the social and economic area in terms of: <ul style="list-style-type: none"> i. total monetary value of significant fines; ii. total number of non-monetary sanctions; iii. cases brought through dispute resolution mechanisms. b. If the organization has not identified any non-compliance with laws and/or regulations, a brief statement of this fact is sufficient. c. The context against which significant fines and non-monetary sanctions were incurred.	Compliance Anti-corruption	PP.77-84 PP.85-87